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17901AT HONEST JOHN Missile No. 349/351/356 Rcund No. 670ASL/671ASL/672ASL 3 June 1981

by

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SECURITY CLASSIFICATION OF THIS PAGE (When Date Entered)

I. GOVY ACCESSION NO.  DR-1181  ATTILE (and Subusia) 17901AT HONEST JOHN Missile Numbers, 349, 351 and 356 Round Numbers, 670ASL, 671ASL, and 672ASL  AUTHOR(a)  White Sands Meteorological Team  PERFORMING ORGANIZATION NAME AND ADDRESS  US Army Electronics Research & Development Cmd Atmospheric Sciences Laboratory White Sands Missile Range, New Mexico 88002  18. MONTORING AGENCY NAME & ADDRESS (if different from Controlling Office)  US Army Electronics Research & Development Cmd Adelphi, MD 20783  19. DISTRIBUTION STATEMENT (of the abouted untered in Block 20, if different from Report)  Approved for public release; distribution unlimited.  19. NEY WORDS (Continue on reverse side if necessary and identify by block number)  Meteorological data gathered for the launching of the 17901AT HONEST JOHN, Missile Numbers 349, 351, and 356, Round Numbers 670ASL, 671ASL, and 672ASL 22  presented in tabular form.	REPORT DOCUMENTATION	PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
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# CONTENTS

INTRODUC	TION	PAGE 1
DISCUSSI	ON	1
MAP		2
TABLES:		
1.	Surface Observation taken at 1021, 1043 and 1330 MDT at LC-33	3
2.	Fixed Pole and Met Tower Anemometer Measured Wind Data at 1021 MDT	4
3.	Fixed Pole and Met Tower Anemometer Measured Wind Data at 1043 MDT	5
4.	Fixed Pole and Met Tower Anemometer Measured Wind Data at 1330 MDT	6
5.	WSD and LC-37 Aiming Met Messages	7
6.	WSD Significant Level Data at 0847 MDT	8
7.	WSD Upper Air Data at 9847 MDT	9
8.	WSD Mandatory Levels at 0847 MDT	15
9.	LC-37 Significant Level Data at 1015 MDT	16
10.	LC-37 Upper Air Data at 1015 MDT	17
11.	LC-37 Mandatory Levels at 1015 MDT	19
12.	WSD Significant Level Data 1230 MDT	20
13.	WSD Upper Air Data at 1230 MDT	21
14.	WSD Mandatory Levels at 1230 MDT	23

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### INTRODUCTION

17901AT HONEST JOHN, Missile Number 349, 351, and 356, Round Numbers 670ASL, 671ASL, and 67:2ASL, were launched from LC-33, White Sands Missile Range (WSMR), New Mexico, at 1021, 1043, and 1330 MDT, 3 June 1981. The scheduled launch times were 1000, 1030, and 1330 MDT.

### DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

### 1. Observations

### a. Surface:

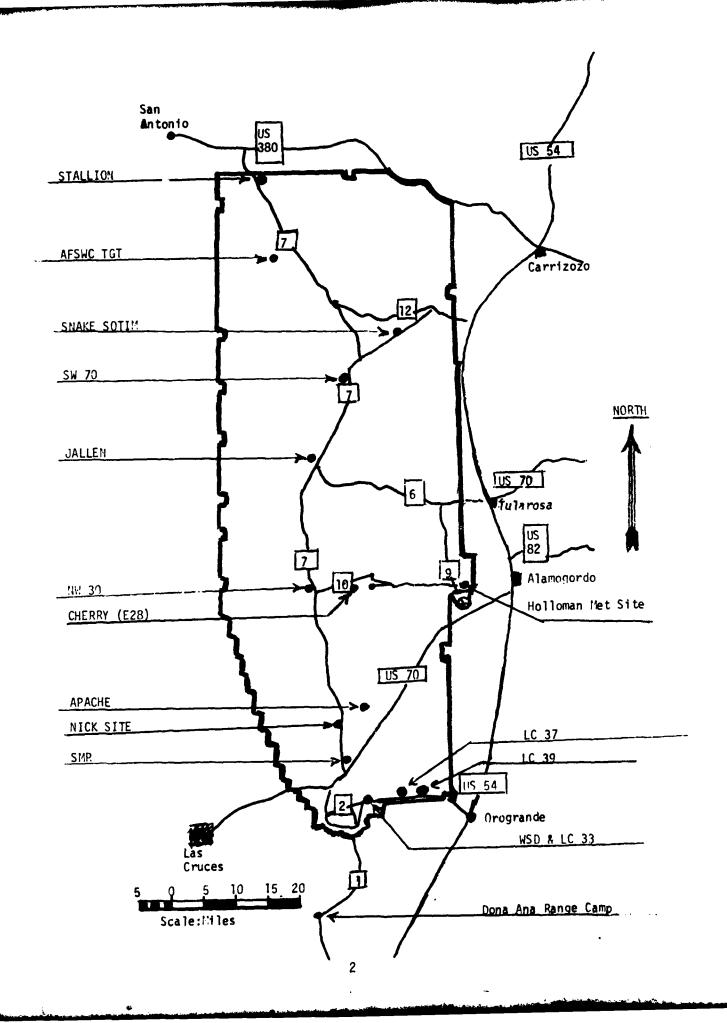
- (1) Standard surface observations to include pressure, temperature (°C), relative humidity, dew point (°C), density (gm/m $^3$ ), wind direction and speed, and cloud cover were made at the LC-33 Met Site at T-o minutes.
- (2) Anemometer data were provided from existing pole-mounted and tower-mounted anemometers at LC-33. Mointor of wind speed and direction from one anemometer was also provided in the launch control room.

## b. Upper Air:

(1) Air structure data (rawinsonde) were collected at the following Met Sites:

### SITE AND TIME

WSD 0847 MDT LC-37 1015 MDT WSD 1230 MDT



# PPOJECT SURFACE OBSERVATION

1:316:7								STATION	16-33	33	
DAYE 3	June	81 VEAR	ļ					X= 484,982,64 Y=185,957,73 H=3983,00	¥1.8	5,952,73 H	3983 00
71 ME M D J	PRESSURE mb <b>s</b>	TE:1PERATURE OF OC	PATURE OC	DEW POINT OF OC	Jo C	PELATIVE HUMIDITY %	DENSIIY gm/m³	DIRECTION degs In	WIND SPEED kts	DIRECTION SPEED CHARACTER VISIBIL- degs In kts kts ITY	VISIBIL- ITY
1021	874.5		27.7		5.5	24	1007	100	4		<del>2</del> 0+
1043	874.4		27.5		5.2	24	1006	100	01		<del>-</del> 20+
1330	873.0		33.0		4.7	17	986	275	90		<del>2</del> 0+

CLOUDS	2nd LAYER	AMT TYPE HGT AMT TYPE HGT	00 3 CS 25000	00 6 CS 25000	00 2 2 2 25000
	Ī		6500	- 0002	- 0008 no
	1st LAYE	TO VISIBILITY AMT   TYPE   HGT	no o	0 CU	<b>4</b> CU

PSYCHROMETRIC COMPUTATION

TIME: MDT	1021	1043	1330
DRY BULB TEMP.	27.7	27.5	33,0
WET BULB TEMP.	14.5	14.3	
WET BULB DEPR.	13.2	13,2	17.0
DEW POINT	5.5	5.2	4.7
RELATIVE HUMID.	24	24	<b>4</b> 1

TABLE 2

LC-33 FIXED POLE ANEMOMETER MEASURED WINDS

1021 MDT 3 June 1981

POLE #1 X485,874 Y185,958 H4018.74 38.7 ft	8.90 4		POLE #2 X485,874 Y186,012 H4033.57 53.0 ft	1.93 2.00 7		POLE # X485,87 Y186,11 H4063.9 83.6 ft	7.29 6.06 2	
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DI R DE G	SPEFD KTS	T-TIME SEC	DIR DEG	SPFED KTS
T <sub>-30</sub>	CALM	CALM	T <sub>-30</sub>	021	02	T <sub>-30</sub>	063	03
T <sub>-20</sub>	CALM	CALM	T <sub>-20</sub>	034	02	T <sub>-23</sub>	065	03
T <sub>-10</sub>	052	02	T-10	034	01	T <sub>-10</sub>	055	03
T <sub>0:0</sub>	052	01	T <sub>0.0</sub>	034	01	τ <sub>0.0</sub>	054	03
T <sub>+10</sub>	052	03	T <sub>+10</sub>	050	02	T +10	056	04

\_LC-33 METEOROLOGICAL TOWER ANEMOMETER MEASURED WINDS (202 FT TOWER)

LEVEL #1, 1 X484,982.64		73, H3983.00 (base)	LEVEL #2, 62 FEET X484.982.64, Y185,057.73, H3983.00 (base)				
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS		
T - 30	CALM	CALM	T - 30	CALM	CALM		
T -20	CALM	CALM	T -20	CALM	CALM		
10	CALM	CALM	<b>T-1</b> 0	CALM	CALM		
13.0	CALM	CALM	T0.0	CALM	CALM		
[+10 <u></u>	111	01	T+10	CALM	CALM		

LEVEL #3, 10 X484,982.64	EVEL #3, 102 FEET (484,982.64, Y185,057.73, H3983.00 (base)			2 FEET 85,057.73, Н	3983.00 (base)
-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
-30	CALM	CALM	T-30	CALM	CALM
, i	CALM	CALM	T-20	CALM	CALM
-	CALM	CALM	T-10	CALM	CALM
	<b>L</b> 28	01	T 0.0	CALM	CALM
• 1 °	128	01	T+10	CALM	CALM

# 1043 MDT 3 Jume 1981

POLE #1 X485,87 Y185,95 H4018.7 38.7 ft	4.29 8.90 4	,	POLE #2 X485,874 Y186,012 H4033.57 53.0 ft	1.93 2.00 7		POLE # X485,87 Y186,110 H4063.9 83.6 ft	7.29 6.06 2	
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DI R DE G	SPEFD KTS	T-TIME SEC	DIR DEG	SPEED KTS
T <sub>-30</sub>	CALM	CALM	T <sub>-30</sub>	CALM	CALM	T -30	088	02
T <sub>-20</sub>	CALM	CALM	T <sub>-20</sub>	095	03	T -20	088	02
T_10	CALM	CALM	T <sub>-10</sub>	099	02	T _10	CALM	CALM
ъ.о	083	01	T <sub>0.0</sub>	CALM	CALM	T 0.0	CALM	CALM
T <sub>+10</sub>	083	01	T <sub>+10</sub>	106	01	T +10	CALM	CALM

TABLE \_\_\_\_LC-33 METEOROLOGICAL TOWER ANEMOMETER MEASURED WINDS (202 FT TOWER)

LEVEL #1, 12 X484,982.64		73, H3983.00 (base)	LEVEL #2, 62 X484.982.64,		3, H3983.00 (base)
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
T-30	051	03	T -30	083	01
T-20	045	03	T -20	080	02
T-10	088	02	T -10	081	03
	CALM	CALM	T 0.0	107	03
T+10	CALM	CALM	T +10	091	03

LEVEL #3, 10 X494,982.64	02 FEET , Y185,057.7	3, H3983.00 (base)	LEVEL #4, 20 X484,982, Y1		3983.00 (base)
T-IME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
T-30	079	02	T -30	081	03
i <u></u>	081	02	T -20	081	03
F - 0	081	02	T -10	082	03
p.0	113	01	T 0.0	079	03
7-10	113	01	T +10	079	. 03

1330 MDT 3 June 1981

POLE #1 X485,87 Y185,95 H4018.7 38.7 ft	8.90 4		POLE #2 X485,874 Y186,012 H4033.55 53.0 ft	4.93 2.00 7		POLE # X485,87 Y186,110 H4063.93 83.6 ft	7.29 5.06 2	
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
<u>F30</u>	144	05	T - 30	165	08	T - 30	160	03
т -20	153	12	T-20	203	12	T -20	123	02
T-10	273	03	T-10	264	15	T-10	229	03
T0.0	293	07	T0.0	287	10	T 0.0	358	05
T+10	270	08	T +10	273	07	T +10	300	06

TABLE LC-33 METEOROLOGICAL TOWER ANEMOMETER MEASURED WINDS (202 FT TOWER)

LEVEL #1, 1 x484,982.64		73, H3983.00 (base)	LEVEL #2, 62 X484.982.64,		, H3983.00 (base)
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
T- 30	269	04	T -3()	264	04
F20	270	04	T -20	255	06
-10	258	04	T -10	223	04
J.0	276	05	T 0.0	238	06
T+10	248	08	T +10	231	08

EVEL #3, 10 (484,982.64	02 FEET , Y185,057.7	3, H3983.00 (base)	LEVEL #4, 20 X484,982, Y1		3983.00 (base)
-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
F30	243	07	T -30	248	07
- 0	246	08	T -20	245	07
7-1	225	09	<b>T</b> -10	219	09
·1.()	225	08	T0.0	217	08
. 10	224	09	T +10	223	. 08

# AIMING MET MESSAGES 3 June 1981

WSD 0847 MDT	LC-37 1015 MDT
METCM1324064	METCM1324063
031480122874	031620124873
00178003 29710874	00107003 29960873
01252005 29580864	01039006 29820863
02580004 29700840	02025004 29650838
WSD 0847 MDT	LC-37 1015 MDT
METB31324064	METB31324063
031480122837	031620124828
001803 031837	
001003 031037	001103 040828
012505 029839	001103 040828 010406 03 <b>78</b> 31

WSD 1230 MDT METCM1324064 

00427004 30650874 01453004 30500864 02497002 30170840 

SIGNIFICANT LLVEL DATA	1540020369	WHITE SAIDS	TARIF 6
	1110PC	3 JUNE 81 C8+7 HRS MDT	ASCENSION NO. 009

GEODLIIC COOKUIMATES 32.40043 LAT DEG 106.57033 LON DEG

REL.HUM. PERCENT	56 44 44 46 46 46 46 46 46 46 46 46 46 46	
TERPERATURE IR DEWPOINT RELS CENTIGRADE	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
TEMPE AIR DE GREUS	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
GEOMETRIC ALTITUDE ASE FEET	\$1094.0 4594.3 5010.6 10234.3 15002.3 15002.2 15002.2 15002.2 15002.2 15002.2 10002.3 10002.3 10002.3 10002.3 10002.4 10002.4 40002.4 40002.4 40002.4 40002.4 40002.4 40002.4 40002.4 40002.4 559650.1 56960.1 61703.6 61703.6 61703.6 61703.6	08508
PKESSURL MILLIBAKS	8 7 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	† <del></del>

	ASCENSION 140. JO9
IIIIM	3 JUNE 81 0847 HRS NOT
154	STALLON ALTITUDE 3989.00 FEFT MSE
NER	

| O|PER AIR DATA | GEODETIC COORDINATES | 1540020369 | S2.40043 LAT DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LON DEG | 106.37033 LO

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INDEX OF REFRACTION	1.000270	1.000270	1.000209	1.009270	1.000264	1.000259	1.000254	1.000249	1.000245	1.000240	1.000235	1.000231	1.000226	1.000222	1.000218	1.000214	1.000210	1.000207	1.000203	1.000199	1.000196	1.000192	1.000189	1.000185	1.000179	1.000174	1.000169	1.000166	1.000163	1.000160	1.000158	1.000155	1.0001	1.000148	1.000146	1.000143	1.000141	1.000138	1.900136	1.000134
PEED NOTS	5.9	5.9	2.1	2.0	5.6	3.4	3.4	Ю. Ю.	2.5	1.7	3.0	2.5	7.0	8.7	6.6	11.0	11.6	12.4	13.1	14.1	15.8	17.9	20.4	52.6	54.6	25.0	22.7	21.0	19.9	20.0	21.0	ċ	19.3	18.7	18.6	19.4	20.4	21.9	23.5	24.2
WIND DATA DIRECTION SI DEGREES(TN) K	100.0	94.6	75.7	38.9	9.5	358•1	14.7	25.3	10.2	345.8	284 • 0	271.2	271.0	269.7	265.7	261•2	253.0	546.6	5.55	242.5	240.7	239•3	238.0	240.1	245.1	249.5	253.4	526+5	257.6	255.6	251.7	250 • 4	2>0¢2	254.6	261.0	263.1	263.8	264.7	h•Ca2	263.1
SPLED OF SOUND KNOTS	671.6	671.6	669.4	672.6	671.3	6.649	9.599	667.0	663.5	664.1	002.6	661.2	659.7	658•3	650.0	655.2	653.7	652.2	650.6	649.1	647.3	645.5	643.7	641.9	640.3	638.8	637.3	635.9	634.5	633.1	631.7	650.3	630.2	629.2	620.0	620.7	6.25+4	624.2	6559	021.0
DENSITY S GM/CUBIC METER	1024.7	1024.4	1013.0	986.0	972.3	959.3	940.4	933.7	921.2	6.806	896.8	8.488	873.0	861.4	849.7	838.1	A26.6	A15.3	804.2	793.2	782.6	772.3	762.1	752.1	741.3	730.0	720-1	709.2	698.5	688.0	677.6	h•199	654.4	643.4	633.1	623.0	613.1	603.3	593.7	2*1 <sub>6</sub> 5
REL.HUM. PERCENT	35.0	35.1	40.1	40.1	40.7	41.5	42.3	43.0	43.8	44.6	45.3	46.1	6•94	47.6	48.9	50.6	52.3	54.0	55.7	57.4	59.4	61.6	63.8	0.99	57.6	49.1	41.0	45.0	43.0	43.9	6.44	45.9	38.6	37.8	38.8	39.8	40.8	41.8	42.8	43.8
TENPLRATURE R DEWPOINT EES CENTIGRADE	9•9	9•9	6•8	9•1	R•3	7.5	2.9	5.9	5.0	4.2	3.3	2•4	1.6	.7		6	-1.6	17.4	-3.1	0.1-	8 · tı -	-5.8	-6.8	-7.8	-10.6	-13.7	-16.9	-17.7	-14.5	-19.3	-50.1	-50.9	-22.9	-23.8	-24.5	-25.2	-25.8	-26.5	7.	-27.9
TCHPI Alk DEGKEES (	22.8	22.8	20.8	23.4	22.3	21.1	19.9	•	17.5	16.2	15.0	13.8	12•6	11.4	10.1	8•8	7.5	6•3	2•0	3.7	۲•۲ د	۲.	8 · ·	-2.3	-3•ū	L-4-7	-5∙8	-7.0	-8.5	-9.3	-10.5	-11.6	-11.6	-12.4	-13.5	-14.5	-15.6	-16.6	-17.7	-18.7
PRESSURE MILLIDARS (	874.2	875.9	85u•6	843.7	850.8	814.2	799.8	785.7	771.8	758.1	744.8	731.6	710.7	700.0	693.3	680.6	560.1	655.9	643.9	632.1	620.3	600.7	597.3	£80∙¶	574.9	564.9	555.1	542.4	531.8	521.5		501.4	491.6	481.8	474.2	462.8	455.6	444.5	435.6	421.0
GEUSETRIC ALLITUDE MSL FEET	3989•0	4000.0	4500.0	5440.9	5500.0	0.0000	0.500.0	7000.0	7500.0	0.0000	8200.0	ù•0006	9500.9	10000	10500.0	11000.0	11500.0	12000.0	12500.0	13000.0	13500.0	14000.0	14500.0	15000.0	15500.0	16000.0	16500.0	17000.0	17500.0	18000.0	18500.0	19000.0	19500.0	20000-1	20500.0	21000.0	21500.0	22000.n	22500.0	25000.0

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	GEODETIC COOKUINATES	32.40043 LAT DEG	106.37033 LOH DEG
UPPER AIR DAIA	1540820309	WHITE SAIDS	TARIE 7 CON'T
	141100 ALTITUOL 3989.00 FFET 115L		SCLUSION NO. JOS

6E0DETIC COOKUIHATES 32.40043 LAT DEG 106.37033 LOH DEG	INDEX OF TS REFRACTION	4.7 1.0001.31	25.5 1.000130		-	-	•	-	1.00011	-	-	<b>:</b>	-		3.6 1.000105	20.5 1.000101				-		-		30.3 1.000087	34.0	-	۰	41.7 1.000000	-	_	~	32.7 1.000074	1.00007	_	27.2 1.900069	_	<u>.</u>	1.000004
64 ک	WIND DATA UINECTION SPEED DEGREES(IN) KNOTS	260.3									•				202.4										5. 5.012 5. 7.71c													259.0
1540020303 1540020303 WHITE SAIDS	DENSITY SPEED OF GMZCUBIC SOUND METER KNOIS	575.0 62013	213 13				_			505.7 600.5	9.009 0.864	-			455-8 600-0	450.9 590.0			_					372.5 565.1 365.0 633.0	378.8 581.0	_				٠.		372-1 572-2			~		,	285.9 574.0
, * T	REL.HUM. I	8.44	53.2	63.9	66.8	67.9	68.9	6.69	71.0	72.0	70.8	69.7	68.6	66.5	63.6	57.8	55.9	55.7	55.5	55.3	55.1	50.3**	* *	13.3**														
rftst. sDr	TEMPERATURE R DEWPOINT EES CENTIGRADE	-28.7	-5				•		•						t • (1) t =				•			-		0.00														
989.00 FFET HSL 0847 HRSDT	A I DE GR	-19.7	_	-22.3	-23.5	-24.7	-25.8	-27.0	-28.2	-29.3	-30.8	-32.2	153.7	V + 10 = 1	135.0	-38•1	-39.2	-40.3	<b>5-1</b> 5-1	-42.5	-43.6	©•±±-	7.94	0 × 1		-51.2	-52.3	-53.4	-54•0	-55.1	-5c-d	157.4	15/21	-56·d	6.95-	5.75-	-56.0	1.55.1
1 <sup>11</sup> 0L 3	PRESSURE MILLIDARS	410.4	410.0	401.6	393.3	385.1	37/-1	369.3	361.6	354.1	340.6	334.2	332.0	7.4	711°				234.5	270.2	272.1	260.0	250.0	7.40%	242.6	230.9	231.4	220.0	220.8	215.6	210.6	205.7	2002	1.90	191.4	180.9	182.	1.071
STATION ALTITUDE 3 ) JUNE 81 ASCLUSION NO. J69	GFUNETRIC ALTITUDE MSC FEET	23500+0	•	24500•0	25000•0	25500.0	26000.0	20500.0	<7000.5	27500.0	v•000n≥	20509.0	29000-0	2.0000.0	0.00000	31000.0	31500.0	32000.0	32500.0	33000.0	33500.0	34000.0	34500.0	35500-0	0.00000	30500.0	37000.6	57500.0	38000.0	38500.0	37090.0	39500.0	40000+	40500	6.0001 p	41500.0	42000-0	425000

\*\* AT LLAST ONE ASSUMED RELATIVE HEADITY VALUE WAS USED IN THE INTERPOLATION.

DETIC COOMDINATES 32.40043 LAT DEG 106.37033 LON DEG	INUEX OF REFRACTION	÷.	<b>:</b>	5 1.000056 9 1.000055	-	-	-	3 1.000049	-	7	-	⊣.	-	<b>:</b>	-	<b>→</b> •	1.000038	•		-	1.000034	•	7 1.000032		-	7		700001	1.000027	1.00002		-	1
6E0DETIC 32.40 106.33	VTA SPEEU KNOTS	24.6	23.6	22.6 20.8	18.2	14.2	12.6	12.3	15.	15.5	15.	15.7	17.7	18.3	18.7	19.3	14.5	12.1	6.5	1.5	- c	,	7.7	7.5	7.	8.1	ۍ څ د		11.3	9.6	7.9	6.9	9•9
	WIND DATA DIRECTION SI DEGREES(TN) KI	269.9	271.2	269.c	279.5	294.7	278.1	269.4	254.6	248.1	241.3	235.2	229.7	232-1	237.6	242.8	0.40 0.40 0.40 0.40	243.2	237.2	180.6	2000	109.601	120.8	150.5	146.3	133.2	3.611	6 • <del>1</del> T	111.0	103.2	100.5	93.6	77.5
541A 59 51	SPLED OF SOUND NNOTS	573.9	573.7	574.0	573.4 572.8	572.1	571.5	570.9	569.6	564.9	568.8	568•7	566.6	568.5			564.7	568•3	568.8	568•8	568•8	568•0	5000	564.5	•				7.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		-	500.6	567.4
UPPER AIN DATA 1540020369 WHITE SANDS TABLE 7 CON'T	DENSITY S GM/CUBIC METER	272.7	260.1	203.7	242.4	232.0	227.0	222.1	212.6	208.0	203.1	198.3	189.0	184.5	180.1	1,5.8	167.3	163.2	159.3	155.5	101.8	145.0	142.3	139.7	136.5	132.4	178.6	1,000	119.8	117.0	114.2	111.5	108.4
	REL.HUM. PERCENT																																
EET MSL S NDT	TEMPERATURE R DEWPOINT EES CENTISRANE																٠																
3989.00 FEET NSL 0847 HRS NDT 9	TEMI AIR DEGHEES	-56.2	156.3	-56-3	-56.5	-57.5	-57.9	-58.9	-26.4	-59.9	0.09-	190.0	-60.1	-60.2	-60.3	60.0	-60.1	-60,0	0.09-	-60.0	190	9-09-	-61.9	-63.2	-63.1	-62.1	-61.1	141	-61.6	6.19-	-61.8	-61.4	-61.1
UDE 36	PRESSURE MILLIBARS	169.8	161.9	150.1	156.7	145.6	140.2	133.6	130.4	127.3	124.3	121.5	115.6	112.8	110.1	701	102.3	6.46	97.5	95.2	96.96	80.5	80.3	84.2	84.2	80.2	70.3	7 0.4	7.57	71.0	69.3	9.19	66.9
STATION ALTITUDE 3 JUNE 81 ASCENSION NO. 3	GEONETRIC ALTITUDE MSL FEET	43500.0	44500.0	45500.0	46000.0	47000-0	47500.0	48500.0	0.00064	49500.0	200000	51000.0	51500.0	52000.0	52500.0	0.0000	54000	54500.0	55000.0	55500.0	0.00000	57000.0	57500.0	56000.0	58500.0	0.00065	59500	0.00000	0.00010	61500.0	0.50000	62500.0	0.000cd

STATION ALTITUDE	\$	3989•40 FFFT HSL 0847 100 NOT		UPPER AIN DAIN 1540020369	71 70 80 80 80 80 80 80 80 80 80 80 80 80 80		oEODLTIC	C COOKDINATES
	٠ دۇن			TABLE 7 CON'T			106.	106.37033 LON DEG
GFU.,ETRIC	PRESSURE	TEMPERATURE	REL.HUM.	DENSITY	J.	WINC DATA	4 A	INUTX
MSL FEET	MILLIDARS	DEGREES CENTIGRADE	נאלי	METER	KNOTS	DEGREES (TH)	KNOTS	OF REFRACTION
6.5500.n	4.49	-60.7		105.0	567.9	61.3	6.8	1.000024
0.000+0	64.9	-60.3		102.9		0.90	9.4	1.000023
64506.0	61.4	6.69-		100.3	564.9	71.0	10.2	1.000022
65000.0	0.4°	-59.5		7.76		7.5.7	12.1	1.000022
65500.0	56.5	-59.1		3·5 <sub>6</sub>		49.7	12.7	1.000021
0.0000	2/5	-58.7		92.3		102.4	14.0	1.000021
60500.0	7.00	155 to 15		406		111.9	15.6	1.000020
0.00070	, - , -	_58•U		40.1		115.1	15.6	1.000020
6,000,0	100 8.18	15/10		32°8		116.5	15.6	10000
68500•0	50.6	150.00		0 CC 0 CC 0 CC	57.50	103.8	15.0	4.0000.1
0.00069	<b>+.6</b>	156.4		79.4		7.76	2 6	1.00001
69500.0	46.2	-56•1		77.4		HH . 1	6.01	1.000013
70000-0	47.	-55.8		75.5		87.6	20.6	1.000017
70500.0	40.	-55.5		73.7		87.0	21.3	1.000016
71000.0	* * * *	-55.2		71.8		4.18	20.8	1.000016
71500.0	•	-24.9		70.0		88.2	19.9	1.000016
72000.0		-54.6		60.3	_	89.1	19.0	1.000015
7:500.0	9 · I ·	154.3		9•99		68.3	19.0	1.000015
7,5000-0	N 0	0.401		65.0		87.5	19.2	1.000014
7.500.0	9.4.5	153.5		63.3		80.3	19.5	1.000014
7:000-0	39.0	155.0		61.7		86.3	19.7	1.000014
75000-0	3001	102.0 100.0		200	578.7	86.3	19.9	1.000013
75500.0	30.4	-51.5		57.3		1900	20.00	100001
76000-0	32.6	-51.0		55.7		83.8	20.5	1.000012
70500.0	34.7	-50 • 1		54.3		82.7	20.3	1.000012
77000.0	35.9	6.64-		55.0		62.1	20.3	1.000012
77500.0	33.2	オ・ウオー		51.6	582.1	81.6	20.4	1.000011
78000.0	36.5	6.64-		50.3	580.4	81.1	21.3	1.000011
78500.0	31.7	4.30		49.1	•	80.9	23.4	1.000011
79000-0	30.9	6-24-		47.8		1009	25.5	1.000011
0.00567	30.00	ħ•/ ħ=		46.6		82.7	27.1	1.000010
0.00008	27.0	6-911-		115.5		80.1	28.3	1.000010
80500·0	20.0	-116.5		******		1.68	29.7	1.000010
01000.0	20°5	145.1		43.3		91•3	30.0	1.000010
81500.0	٠,	1 2 - 1		42.3		95.5	8.63	1.000009
82000.0	0.72	1 to 50		41.5		95•3	9.6	1.000009
82500.0	2 ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	0 · + + -		£.04		97.5	29.4	1.000009
0.0000	ô	n•+=		29.3	569.1	5.66	29.1	1.000009

		, 2	<b>-</b>	Contraction of the contraction o		E00 1	ပ္ခဲ့ခ
PRESSORE LEMPERATURE RELIGIUM. AIR DEWPOINT PERCENT MILLIDARS DEGREES CENTIGRADE	MEL.	ENI F	DENSITY GM/CUBIO METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION SI DEGREES(TN) K	SPEEU KNOTS	INDEX OF REFRACTION
۸;			38.4	589.6	101.4	28.8	1.000009
24.7 -43.7			37.5	590.1	103.2	28.6	1.000008
-			36.6	2.065	105.0	28.5	1.000008
ç			35.7	591.2	100.5	28.5	1.000008
_			34.9	591.1	104.6	29.0	1.000008
9 -			34.0		102.9	29.6	1.000008
/•In			23.2		101.4	30.0	1.000007
·			7.4		0.101	24.00	700000 T
ى ب			9 0 0	595.6	9.00	9.00	7000001
۰ م			30.1		0.60	28.0	7000001
_			29.5		93.8	26.9	1.00007
Ю			28.8		8.06	25.9	1.000006
σ.			28.2		88.6	25.0	1.000006
٠ د			27.6		80.3	24.2	1.000006
			26.9		83.5	23.5	1.000006
13.4			26.4		1.67	23.2	1 • 000006
, .			2000 0000		9 °C /	22.0	1.000006
Š			24.7	595.4	70.4	7.50	1.000005
~			24.1		64.8	25.6	1.000005
œ			23.6		68.2	26.6	1.000005
			23.1		71.7	26.7	1.000005
10.1 -09.4 14.8 -140.4			22.6	595.0	75.5	26.8	1.000005
ı ıç			21.6		8 3.1	27.0	1.000005
ď			21.1		87.5	27.1	1.000005
<b>o</b> .			20.6	595.B	91.5	27.4	1.000005
9			20.5	595.8	63.9	28.0	1.000004
m ·			19.7		90+3	28.5	1.000004
0			19.3		93.5	29.4	1.000004
_			18.8		100.6	31.4	1.000004
₹.			18.4	_	102.4	33.5	1.000004
۸.			18.0	597.9	103.8	35.6	1.000004
11.9 -37.2			17.6	598.4	102.9	36.9	1.00004
٠			17.1	6-869	102.1	38.1	1.000004
<b>÷</b>			16.7	599.5	101.2	39.3	1.000004
<b>-</b> :			16.4		2.16	39.0	1.000004
0.00 = 0.00 to			16.0		2.00	38.8	1.00004
			15.0	0.100	89.1	38.8	1.000003

GEODETIC COORDINATES 52-40043 LAT DEG 106-37033 LON DEG		INDEX	ED OF TS REFRACTION	9.8 1.000003	0.8 1.000003	-	40.7 1.000003	9.5 1.000003	8.4 1.000003	1.000003	1.000003	1.000003	1.000003	1.000003
6.E'O		WIND DAT	DEGREES (TN) KNOTS				91.7 4							
LA 1A 09 US		Speed of	SOOM PNOTS	601.6	602.1		603.3							
UPPER AIN DATA 1540020309 WHITE SANDS	TABLE 7 CON'T	REL. HUM. DENSITY SPEED OF	METER	15.2	14.9	14.5	14.2	13.9	13.5	13.2	12.9	12.6	12.3	12.0
<b>⊃</b>	_	REL.HUM.	FERCEN											
ET dSL NDT		TEMPERATURE B DESDOTAT	BARS DEGREES CENTIGRADE											
E 3989.00 FFET ASL 0847 HRS NDF 369		TEM	DEGREES	-34.7	-34.3	-33.9	-33+3	-32.8	-32.2	-31.6	-31-1	-30.5	-29.9	-29.4
5		PRESSURE	ILLI	-	_	-	€. •	9.6	<b>5</b> .6	×.	٥.	e•≎	მ•მ	<b>7.</b> 0
STATION ALTITUDE 3 JUNE 81 ASCENSION NO.		GEOMETRIC	MSL FEET	103500.0	104000.0	104500.0	1000001	105500.0	1000000	100500.0	107000.0	107500.0	10000001	108500.0

| A1A         | SPELD     | KNOTS   | 6•1   | 3.4   | <b>∠•3</b>   | 9.3  | 12.7   | 19.8   | 22•1   | 20.4  | 21.0   | 20.5  | 25.3  | 20.0  | 31.1   
   
   | 59.9   | 24.8   | 17.8  
   
  | 15.4   | 12.5  
  | 8.5  | 8.7   | 11.8   | 17.4   
   | 19.4   | 27.4  | 26.7  | 7.15   | 56.9   | 41.6  |
|-------------|-----------|---|---|---|--|--|--|--|--|---|--|---|---|---
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--|--|--
--
--|--
--
--|--|---|--|--|--|---|---
--|--|---|
| a Ogla      | DIKECTION | DEGREES(TN)   | 55.3  | 15.1  | 297.0  | 267.7  |  |  |  |   |  |   |   |   |  
   
   |  |  |   
   
  |  |   
  |  |   |  | | | | | | | | | | | | |
   | 86.4   |   |   |  | 76.2   | 66.6  |
| REL.HUM.    | PERCENT   |   | 42.   | 42.   | 45.  | 48.  | 55.  | 63.  | 41.  | 46.   | 41.  | -09   | 71.   | 56.   |  
   
   |  |  |   
   
  |  |   
  |  |   |  | | | | | | | | | | | | |
   |  |   |   |  |  |   |
| ERATURE     | DEWPOINT  | CENTIGRADE  | 8•1   | 6.7   | 3.0  | ?  | -2.7   | -6.5   | -17.2  | -21.0   | -26.1  | -27.2   | -33.6   | Z. pp.  |  
   
   |  |  |   
   
  |  |   
  |  |   |  |  
   |  |   |   |  |  |   |
|             |           |   | 21.6  | 19.9  | 15.5   | 10.8   | 5.6  | ÷  | 7.9-   | -11.A   | -16.0  | -22.6   | -30-1   | -38·A   | -48.6  
   
   | -57.4  | -55.7  | -56.6   
   
  | -59.9  | 0.09-   
  | -62.0  | -62.0   | -59.5  | -56.6  
   | -53.6  | -47.2   | 6.55  | -39.9  | -39.4  | -33.9   |
| OPOTENTIAL  | ,<br>,    | FEET  | 4784.   | 6511.   | 8323.  | 10228.   | 12238.   | 14366.   | 16625.   | 19047.  | 21679.   | 24556.  | 27725   | 31257.  | 35282.   
   
   | 39986.   | 42763.   | 45977.  
   
  | 49739.   | 54307   
  | 58854.   | 01570   | 64717.   | 68485.   
   | 73160.   | 79318.  | 83306.  | ₫8265•   | 94720.   | 103905.   |
| PRESSURE GE |           | MILLIBAKS   | 0.050   | n•00x   | 150.0  | 700·u  | 0.059  | U•009  | 550.n  | 509.0   | 450.0  | 0.004   | 350.0   | 300.0   | 250.0  
   
   | 500.00   | 175.0  | 150.0   
   
  | 125.0  | 100.0   
  | 0.08   | 70°0  | U•09   | 20.0   
   | 0.04   | 30.0  | 25.0  | 50.0   | 15.n   | 10.0  |
|             |           | GEOPOTENTIAL TEMPERATURE REL.HUM. WIND DATE DE UPOLIN PERCENT DIRECTION | TEMPERATURE REL.HUM. "IND DAT<br>AIR DEWPOINT PERCENT DIRECTION<br>DEGREES CENTIGRADE DEGREES(IN) | GEOPOTENTIAL TEMPERATURE REL.HUM. "IND DATA AIR DEWPOTHT PERCENT DIRECTION FEET DEGREES CENTIGRADE DEGREESITN)  0 4784. 21.6 8.1 42. 55.3 1 | GE OPOTENTIAL       TEMPERATURE       REL.HUM.       "IND DAT         AIR       DEWPOTHT       PERCENT       DIRECTION         FEET       DEGREES CENTIGRADE       DEGREES(TN)         0       4784.       21.6       8.1       42.       55.3       1         0       6511.       19.9       6.7       42.       15.1       3 | GE OPOTENTIAL       TEMPERATURE       REL.HUM.       "IND DATA         AIR       DEWPOTHT PERCENT       DIRECTION         FEET       DEGREES CENTIGRADE       DEGREES(TN)         0       4784.       21.6       8.1       42.       55.3       1         0       4784.       19.9       6.7       42.       15.1       3         0       8323.       15.5       3.0       45.       297.0       2 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         wIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           ATR         DEGREES CENTIGRADE         DEGREES(IN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         19.9         6.7         42.         15.1         3           0         8323.         15.5         3.6         45.         297.0         2           0         10228.         10.8         .2         48.         267.7         9 | GE UPOTENTIAL         TFMPERATURE         REL.HUM.         wIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         6511.         19.9         6.7         42.         15.1         3           0         8323.         15.5         3.6         45.         297.0         2           0         10228.         10.8         .2         48.         267.7         9           0         12238.         5.6         -2.7         55.         245.5         12 | GE UPOTENTIAL         TFMPERATURE         REL.HUM.         wIND DATA           AIR         DEWPOINT         PERCENT         DIRECTION           ATR         DEGREES CENTIGRADE         DEGREESTIN           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         8323.         15.5         3.0         45.         297.0         2           0         10228.         10.8         .2         48.         267.7         9           0         12238.         5.6         -2.7         55.         245.5         12           0         14366.        4         -6.5         63.         230.3         19 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA LIGATION LINECTION LINEOTE LINECTION LINECTION LINECTION LINECTION LINECTION LINECTION LINECTION LINECTION LINECTION LINECTION LINECTION LINECTION LINEOTE LINECTION LINECTION LINECTION LINECTION LINECTION LINECTION LINECTION LINECTION LINECTION LINECTION LINECTION LINECTION LINEOTE LINECTION LINECTION LINECTION LINECTION LINEOTE LINECTION LINECTION LINEOTE | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         DIRECTION           PEET         DEGREES CENTIGRADE         DEGREES(TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         8323.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         1436.         -4.         -6.5         63.         254.0         2           0         16625.         -6.2         -17.2         41.         254.0         2           0         19047.         -11.8         -21.0         46.         250.3         20.3 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           O         4784.         21.6         8.1         42.         55.3         1           O         1928.         15.5         3.0         45.         297.0         2           O         12238.         5.6         -2.7         55.         245.5         12           O         12238.         5.6         -2.7         55.         245.5         12           O         19047.         -11.8         -21.0         46.5         250.3         20           O         21679.         -26.1         41.         250.2         21 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           O         4784.         21.6         8.1         42.         55.3         1           O         4784.         21.6         8.1         42.         55.3         1           O         4784.         21.6         8.1         42.         55.3         1           O         4784.         21.6         6.7         42.         15.1         3           O         1928.         10.8         .2         49.         297.0         2           O         12238.         5.6         -2.7         55.         245.5         12           O         12238.         -6.2         -7.7         55.         245.5         12           O         19625.         -6.2         -17.2         41.         254.0         2           O         19625.         -6.2         -17.2         41.         254.0         2           O         21679.         -22.0         41.         254.2         2           O         24556.         -22.6         -27.2         60.         256.5< | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           O         4784.         21.6         8.1         42.         55.3         1           O         4784.         21.6         8.1         42.         55.3         1           O         4784.         21.6         8.1         42.         55.3         1           O         4784.         21.6         6.7         42.         15.1         3           O         19228.         10.8         2         49.         297.0         2           O         12238.         5.6         -2.7         55.         245.5         12           O         12238.         -4.         -6.5         41.         254.8         22           O         19625.         -6.2         -17.2         41.         254.8         20           O         21679.         -16.0         -26.1         44.         254.2         20           O         24556.         -22.6         -27.2         66.         256.5         25           O         27725.         -30.1         -27.2         2 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         6511.         19.9         6.7         42.         15.1         3           0         1928.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12238.         5.6         -2.7         55.         245.5         12           0         1436.         -17.2         41.         254.0         21           0         19047.         -11.8         -21.0         44.         254.2         254.2           0         22.6         -22.6         -27.2         60.         254.2         256.2           0         2455.         -30.1         -31.5         71. <td< td=""><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         HIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         6.7         42.         15.1         3           0         453.         297.0         2         49.         297.0         2           0         10228.         10.8         2         49.         267.7         9           0         12238.         5.6         -2.7         55.         245.5         12           0         14366.         -6.2         -17.2         41.         254.0         2           0         19047.         -11.8         -21.0         44.         256.3         2           0         24556.         -22.6         -27.2         6u.         256.5         2           0         27725.         -30.1         -33.6         71.         259.2         20</td><td>GE
OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UDINECTION           G 4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         43.3         15.5         3.6         -2.7         59.0         297.0         297.0           0         12236.         -6.2         -2.7         55.         245.5         19           0         1436.         -6.2         -4.1         250.3         20           0         1436.         -6.2         -17.2         41.         250.3         20           0         19047.         -11.8         -21.0         46.         256.5         20           0         24556.         -22.6         -27.2         60.         256.5         20           0         27756.         -30.1         -33.6         71.</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UINECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         1028.         15.5         3.6         -2.7         59.0         297.0         297.0           0         1228.         5.6         -2.7         55.         245.5         12           1         1436.         -6.2         -17.2         41.         254.0         25           0         19047.         -11.8         -21.0         46.         250.3         21           1         16625.         -6.2         -17.2         41.         264.2         21           0         21655.         -22.6         -27.2         60.         256.5         20           2         25.5         -30.1         <t< td=""><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         6.7         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12238.         -6.2         -17.2         41.         254.3         19           1         1456.         -6.5         63.         254.3         20         20           1         1404.         -6.5         63.         254.3         20         20           1         1404.         -7.2         41.         254.3         20         20           1         2455.         -33.6         -22.6         -27.2</td><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4783.         15.5         3.0         42.         15.1         3           0         10228.         10.8         2.         40.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12236.         -6.2         -17.2         41.         254.3         19           0         19047.         -11.8         -21.0         44.         250.3         20           0         21679.         -22.6         -27.2         6u.         250.3         20           0         2455.         -30.1         -27.2         6u.         259.2         20           0         2772.         -38.6         -57.4         <td< td=""><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4783.         15.5         3.6         42.         15.1         3           0         10228.         10.8         .2         40.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12238.         5.6         -2.7         55.         245.5         12           0         19047.         -11.8         -21.0         46.         254.0         254.0         254.0           19047.         -11.8         -27.2         60.         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           ATR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         1228.         10.8         2         44.2         15.1         3         1           0         1228.         10.8         2         44.5         25.7         2         45.7         2         2         1         2         2         1         2         3</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         10228.         10.8         2         44.2         257.7         9         2           0         12238.         5.6         -2.7         55.         245.5         245.5         2         2         1           1         1436.         -6.2         -17.2         41.         254.8         2         3         2</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         JIAD DAT           FEET         DEWPOINT         PEKCENT         UDINECTION           9 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 1028.         19.9         6.7         42.         15.3         1           0 1028.         16.8         -2.7         59.0         297.0         2           0 1238.         -6.2         -4.         -6.5         44.         267.7         2           0 1436.         -6.2         -7.         55.         245.5         2         2           1 1436.         -6.2         -7.         55.         245.5         2         2           1 1436.         -6.2         -7.         55.         2         2         2         2         2           1 1436.         -6.2         -6.2         -7.         2         4         2         2         2         2         2         2         2         2         2         2</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           FEET         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEGREES CENTIGRADE         DIRECTION           G511.         19.9         6.7         42.         55.3           G511.         19.9         6.7         42.         15.1         3           G511.         19.9         6.7         42.         15.1         3         1           G512.         10.8         2.         42.         15.1         3         1           G651.         10.8         2.         42.         15.1         3         1           G651.         10.8         2.         4.2         15.1         1         2           G652.         -6.2         -17.2         41.         254.0         2         2           G655.         -6.2         -17.2         41.         254.0         2         2         2         2         2         2         2         2         2         2         2         2         2         2</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES        
CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         1           1         1436.         -6.2         -17.2         41.         250.3         20           0         1904.         -11.8         -21.0         46.         250.3         20           0         2455.         -26.1         41.         250.3         20           0         2456.         -27.2         60.         256.5         20           0         27.2</td><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         2           1         1436.         -6.5         63.         234.3         19           1         1490.         -21.0         44.5         55.         250.3         20           1         1904.         -11.8         -21.0         44.2         55.         250.3         20           1         1904.         -11.8         -21.0         44.2         56.         250.3         20</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           FEET         DEGREES CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         4784.         21.6         42.         42.         15.1         3           0         4228.         3.6         42.         42.         15.1         3           0         4228.         3.6         42.         42.         15.1         3         17           0         4228.         3.6         42.         48.5         24.5         17         2         2         17         2         17         2         17         2         2         17         2         2         17         2         2         2         2         2         2         2         2         2         2         2         2         2         2</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UNRECTION           FEET         DEGREES CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         8.1         42.         15.3         1           0         4784.         21.6         42.         15.1         3         1           0         4828.         10.6         7.4         15.1         3         1           0         1228.         10.8         2.4         26.7         24.5         1           1436.         -6.2         -7.7         41.         250.3         20.3         20.3           1436.         -11.8         -21.0         44.         250.3         20.3         20.3           15625.         -6.2         -11.8         -21.0         44.         250.3         20.3           15626.         -22.6         -27.2         60.0         250.3         20.3</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATE           AIR         DEWPOINT         PERCENT         UNRECTION           GEGREES         CENTIGRADE         DEGREES(TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1         3           0         4784.         21.6         8.1         42.         55.3         1         4         3         3         1         &lt;</td></td<></td></t<></td></td<> | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         HIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         6.7         42.         15.1         3           0         453.         297.0         2         49.         297.0         2           0         10228.         10.8         2         49.         267.7         9           0         12238.         5.6         -2.7         55.         245.5         12           0         14366.         -6.2         -17.2         41.         254.0         2           0         19047.         -11.8         -21.0         44.         256.3         2           0         24556.         -22.6         -27.2         6u.         256.5         2           0         27725.         -30.1         -33.6         71.         259.2         20 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UDINECTION           G 4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         43.3         15.5         3.6         -2.7         59.0         297.0         297.0           0         12236.         -6.2         -2.7         55.         245.5         19           0         1436.         -6.2         -4.1         250.3         20           0         1436.         -6.2         -17.2         41.         250.3         20           0         19047.         -11.8         -21.0         46.         256.5         20           0         24556.         -22.6         -27.2         60.         256.5         20           0         27756.         -30.1         -33.6         71. | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UINECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         1028.         15.5         3.6         -2.7         59.0         297.0         297.0           0         1228.         5.6         -2.7         55.         245.5         12           1         1436.         -6.2         -17.2         41.         254.0         25           0         19047.         -11.8         -21.0         46.         250.3         21           1         16625.         -6.2         -17.2         41.         264.2         21           0         21655.         -22.6         -27.2         60.         256.5         20           2         25.5         -30.1 <t< td=""><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         6.7         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12238.         -6.2         -17.2         41.         254.3         19           1         1456.         -6.5         63.         254.3         20         20           1         1404.         -6.5         63.         254.3         20         20           1         1404.         -7.2         41.         254.3         20         20           1         2455.         -33.6         -22.6         -27.2</td><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.        
21.6         8.1         42.         55.3         1           0         4783.         15.5         3.0         42.         15.1         3           0         10228.         10.8         2.         40.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12236.         -6.2         -17.2         41.         254.3         19           0         19047.         -11.8         -21.0         44.         250.3         20           0         21679.         -22.6         -27.2         6u.         250.3         20           0         2455.         -30.1         -27.2         6u.         259.2         20           0         2772.         -38.6         -57.4         <td< td=""><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4783.         15.5         3.6         42.         15.1         3           0         10228.         10.8         .2         40.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12238.         5.6         -2.7         55.         245.5         12           0         19047.         -11.8         -21.0         46.         254.0         254.0         254.0           19047.         -11.8         -27.2         60.         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           ATR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         1228.         10.8         2         44.2         15.1         3         1           0         1228.         10.8         2         44.5         25.7         2         45.7         2         2         1         2         2         1         2         3</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         10228.         10.8         2         44.2         257.7         9         2           0         12238.         5.6         -2.7         55.         245.5         245.5         2         2         1           1         1436.         -6.2         -17.2         41.         254.8         2         3         2</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         JIAD DAT           FEET         DEWPOINT         PEKCENT         UDINECTION           9 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 1028.         19.9         6.7         42.         15.3         1           0 1028.         16.8         -2.7         59.0         297.0         2           0 1238.         -6.2         -4.         -6.5         44.         267.7         2           0 1436.         -6.2         -7.         55.         245.5         2         2           1 1436.         -6.2         -7.         55.         245.5         2         2           1 1436.         -6.2         -7.         55.         2         2         2         2         2           1 1436.         -6.2         -6.2         -7.         2         4         2         2         2         2         2         2         2         2         2         2</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           FEET         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEGREES CENTIGRADE         DIRECTION           G511.         19.9         6.7         42.         55.3           G511.         19.9         6.7         42.         15.1         3           G511.         19.9         6.7         42.         15.1         3         1           G512.         10.8         2.         42.         15.1         3         1           G651.         10.8         2.         42.         15.1         3         1           G651.         10.8         2.         4.2         15.1         1         2           G652.         -6.2         -17.2         41.         254.0         2         2           G655.         -6.2         -17.2         41.         254.0         2         2         2         2         2         2         2         2         2         2         2         2         2         2</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         1           1         1436.         -6.2         -17.2         41.         250.3         20           0         1904.         -11.8         -21.0         46.         250.3         20           0         2455.         -26.1         41.         250.3         20           0         2456.         -27.2         60.         256.5         20           0         27.2</td><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         2           1         1436.         -6.5         63.         234.3         19           1         1490.         -21.0         44.5         55.         250.3         20           1         1904.         -11.8         -21.0         44.2         55.         250.3         20           1         1904.         -11.8         -21.0         44.2         56.         250.3         20</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           FEET         DEGREES CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         4784.         21.6         42.         42.         15.1         3           0         4228.         3.6         42.         42.         15.1         3           0         4228.         3.6         42.         42.         15.1         3         17           0         4228.         3.6         42.         48.5         24.5         17         2         2         17         2         17         2         17         2         2         17         2         2         17         2         2         2         2         2         2         2         2         2         2         2         2         2         2</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UNRECTION           FEET         DEGREES CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         8.1         42.         15.3         1           0         4784.         21.6         42.        
15.1         3         1           0         4828.         10.6         7.4         15.1         3         1           0         1228.         10.8         2.4         26.7         24.5         1           1436.         -6.2         -7.7         41.         250.3         20.3         20.3           1436.         -11.8         -21.0         44.         250.3         20.3         20.3           15625.         -6.2         -11.8         -21.0         44.         250.3         20.3           15626.         -22.6         -27.2         60.0         250.3         20.3</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATE           AIR         DEWPOINT         PERCENT         UNRECTION           GEGREES         CENTIGRADE         DEGREES(TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1         3           0         4784.         21.6         8.1         42.         55.3         1         4         3         3         1         &lt;</td></td<></td></t<> | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         6.7         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12238.         -6.2         -17.2         41.         254.3         19           1         1456.         -6.5         63.         254.3         20         20           1         1404.         -6.5         63.         254.3         20         20           1         1404.         -7.2         41.         254.3         20         20           1         2455.         -33.6         -22.6         -27.2 | GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4783.         15.5         3.0         42.         15.1         3           0         10228.         10.8         2.         40.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12236.         -6.2         -17.2         41.         254.3         19           0         19047.         -11.8         -21.0         44.         250.3         20           0         21679.         -22.6         -27.2         6u.         250.3         20           0         2455.         -30.1         -27.2         6u.         259.2         20           0         2772.         -38.6         -57.4 <td< td=""><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4783.         15.5         3.6         42.         15.1         3           0         10228.         10.8         .2         40.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12238.         5.6         -2.7         55.         245.5         12           0         19047.         -11.8         -21.0         46.         254.0         254.0         254.0           19047.         -11.8         -27.2         60.         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           ATR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         1228.         10.8         2         44.2         15.1         3         1           0         1228.         10.8         2         44.5         25.7         2         45.7         2         2         1         2         2         1         2         3</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         10228.         10.8         2         44.2         257.7         9         2           0         12238.         5.6         -2.7         55.         245.5         245.5         2         2         1           1         1436.         -6.2         -17.2         41.         254.8         2         3         2</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         JIAD DAT           FEET         DEWPOINT         PEKCENT         UDINECTION           9 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 1028.         19.9         6.7         42.         15.3         1           0 1028.         16.8         -2.7         59.0         297.0         2           0 1238.         -6.2         -4.         -6.5         44.         267.7         2           0 1436.         -6.2         -7.         55.         245.5         2         2           1 1436.         -6.2         -7.         55.         245.5         2         2           1 1436.         -6.2         -7.         55.         2         2         2         2         2           1 1436.         -6.2         -6.2         -7.         2         4         2         2         2         2         2         2         2         2         2         2</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           FEET         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEGREES CENTIGRADE         DIRECTION           G511.         19.9         6.7         42.         55.3           G511.         19.9         6.7         42.         15.1         3           G511.         19.9         6.7         42.         15.1         3         1           G512.         10.8         2.         42.         15.1         3         1           G651.         10.8         2.         42.         15.1         3         1           G651.         10.8         2.         4.2         15.1         1         2           G652.         -6.2         -17.2         41.         254.0         2         2           G655.         -6.2         -17.2         41.         254.0         2         2         2         2         2         2         2         2         2         2         2         2         2         2</td><td>GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7  
      55.         245.5         1           1         1436.         -6.2         -17.2         41.         250.3         20           0         1904.         -11.8         -21.0         46.         250.3         20           0         2455.         -26.1         41.         250.3         20           0         2456.         -27.2         60.         256.5         20           0         27.2</td><td>GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         2           1         1436.         -6.5         63.         234.3         19           1         1490.         -21.0         44.5         55.         250.3         20           1         1904.         -11.8         -21.0         44.2         55.         250.3         20           1         1904.         -11.8         -21.0         44.2         56.         250.3         20</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           FEET         DEGREES CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         4784.         21.6         42.         42.         15.1         3           0         4228.         3.6         42.         42.         15.1         3           0         4228.         3.6         42.         42.         15.1         3         17           0         4228.         3.6         42.         48.5         24.5         17         2         2         17         2         17         2         17         2         2         17         2         2         17         2         2         2         2         2         2         2         2         2         2         2         2         2         2</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UNRECTION           FEET         DEGREES CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         8.1         42.         15.3         1           0         4784.         21.6         42.         15.1         3         1           0         4828.         10.6         7.4         15.1         3         1           0         1228.         10.8         2.4         26.7         24.5         1           1436.         -6.2         -7.7         41.         250.3         20.3         20.3           1436.         -11.8         -21.0         44.         250.3         20.3         20.3           15625.         -6.2         -11.8         -21.0         44.         250.3         20.3           15626.         -22.6         -27.2         60.0         250.3         20.3</td><td>GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATE           AIR         DEWPOINT         PERCENT         UNRECTION           GEGREES         CENTIGRADE         DEGREES(TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1         3           0         4784.         21.6         8.1         42.         55.3         1         4         3         3         1         &lt;</td></td<> | GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4783.         15.5         3.6         42.         15.1         3           0         10228.         10.8         .2         40.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         12           0         12238.         5.6         -2.7         55.         245.5         12           0         19047.         -11.8         -21.0         46.         254.0         254.0         254.0           19047.         -11.8         -27.2         60.         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0         254.0 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           ATR         DEWPOINT         PERCENT         UIRECTION           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         1228.         10.8         2         44.2         15.1         3         1           0         1228.         10.8         2         44.5         25.7         2         45.7         2         2         1         2         2         1         2         3 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         "IND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         10228.         10.8         2         44.2         257.7         9         2           0         12238.         5.6         -2.7         55.         245.5         245.5         2         2         1           1         1436.         -6.2         -17.2         41.         254.8         2         3         2 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         JIAD DAT           FEET         DEWPOINT         PEKCENT         UDINECTION           9 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 4784.         21.6         8.1         42.         55.3         1           0 1028.         19.9         6.7         42.         15.3         1           0 1028.         16.8         -2.7         59.0         297.0         2           0 1238.         -6.2         -4.         -6.5         44.         267.7         2           0 1436.         -6.2         -7.         55.         245.5         2         2           1 1436.         -6.2         -7.         55.         245.5         2         2           1 1436.         -6.2         -7.         55.         2         2         2         2         2           1 1436.         -6.2         -6.2         -7.         2         4         2         2         2         2         2         2         2         2         2         2 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           FEET         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEWPOTHT PEKCENT         DIRECTION           G511.         DEGREES CENTIGRADE         DIRECTION           G511.         19.9         6.7         42.         55.3           G511.         19.9         6.7         42.         15.1         3           G511.         19.9         6.7         42.         15.1         3         1           G512.         10.8         2.         42.         15.1         3         1           G651.         10.8         2.         42.         15.1         3         1           G651.         10.8         2.         4.2         15.1         1         2           G652.         -6.2         -17.2         41.         254.0         2       
 2           G655.         -6.2         -17.2         41.         254.0         2         2         2         2         2         2         2         2         2         2         2         2         2         2 | GE OPOTENTIAL         TFMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         1           1         1436.         -6.2         -17.2         41.         250.3         20           0         1904.         -11.8         -21.0         46.         250.3         20           0         2455.         -26.1         41.         250.3         20           0         2456.         -27.2         60.         256.5         20           0         27.2 | GE OPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UDIRECTION           GEREES         CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1           0         10228.         15.5         3.0         45.         297.0         2           0         12238.         5.6         -2.7         55.         245.5         2           1         1436.         -6.5         63.         234.3         19           1         1490.         -21.0         44.5         55.         250.3         20           1         1904.         -11.8         -21.0         44.2         55.         250.3         20           1         1904.         -11.8         -21.0         44.2         56.         250.3         20 | GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UIRECTION           FEET         DEGREES CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         42.         15.1         3         1           0         4784.         21.6         42.         42.         15.1         3           0         4228.         3.6         42.         42.         15.1         3           0         4228.         3.6         42.         42.         15.1         3         17           0         4228.         3.6         42.         48.5         24.5         17         2         2         17         2         17         2         17         2         2         17         2         2         17         2         2         2         2         2         2         2         2         2         2         2         2         2         2 | GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATA           AIR         DEWPOINT         PERCENT         UNRECTION           FEET         DEGREES CENTIGRADE         DEGREES (TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         15.1         3           0         4784.         21.6         8.1         42.         15.3         1           0         4784.         21.6         42.         15.1         3         1           0         4828.         10.6         7.4         15.1         3         1           0         1228.         10.8         2.4         26.7         24.5         1           1436.         -6.2         -7.7         41.         250.3         20.3         20.3           1436.         -11.8         -21.0         44.         250.3         20.3         20.3           15625.         -6.2         -11.8         -21.0         44.         250.3         20.3           15626.         -22.6         -27.2         60.0         250.3         20.3 | GEOPOTENTIAL         TEMPERATURE         REL.HUM.         WIND DATE           AIR         DEWPOINT         PERCENT         UNRECTION           GEGREES         CENTIGRADE         DEGREES(TN)           0         4784.         21.6         8.1         42.         55.3         1           0         4784.         21.6         8.1         42.         55.3         1         3           0         4784.         21.6         8.1         42.         55.3         1         4         3         3         1         < |

\*\* AT LEAST ONE ASSIMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTEMPOLATION.

ION ALIITUDL 4051.37 FEFT MSL JOHE 61 1015, HRS MDT NSION NO. 113	MSL DŢ	SIGNIFICAN 1540 LC-37 TABLE 9	SIGNIFICANT LEVEL DATA 1540106113 LC-37 TABLE 9	АТА	GEODETIC COORDINATES 32.40175 LAT DEG 106.31232 LON DEG
PRESSURE MILLIBARS	RE GEOMETRIC ALTITUDE RS MSL FEET	TEMPER AIR ( DEGREES (	TEMPERATURE IR DEWPOINT REES CEPTIGRADE	KEL.HUM. PERCENT	
872.1	4051.4	25.4	7,1	31.0	
857.4	4559.5	23.4	1.7	24.0	
850.0	4807.5	23.4	1,1	23.0	
724.6		13.6	-2,3	33.0	
700.0	-	11.0	-2.4	39.0	
652.0	_	5.0	0.4-	52.0	
591.2	_	-2.0	£.9−	62.0	
582•6	_	-3.0	0.4-	63.0	
574.4	_	-3.6	-16.5	36.0	
549.2	-	12.4	-25,3	19.0	
500.0	_	-12.0	-30.B	19.0	
492.6	_	-12.4	-31.7	18.0	
485.0	_	-12.4	-32,3	17.0	
461.8		-15.0	-34.5	17.0	
9.944	•	-17.0	-28.2	37.0	
431.8	22726.6	-18.8	-29.0	40.0	
カ・カンカ	23149.9	-19.5	-33.7	27.0	
0.004		-23.3	-35,3	39.0	
392.6		-24.5	-35.4	43.0	
381.2		-25.3	-30.1	29.0	
360.8	-	-28.4	-43.0	23.0	
321.2	-	-35.2	-45.7	33.0	
315.0	Ī	-36.3	-45.2	39.0	
308.6	•	-37.7	-45.0	46.0	
300.0	•	-39.1	-45.5	50.0	

STATION ALTITUDE 3 JUNE 81 ASCENSION NO. 1	VOE 4	051.37 FEET NSL 1015 HRS MDF	ET NSL MDF	- <u>-</u>	UPPER AIR DAT 1540180113 LC-37 TABLE 10	34.TA		6E0DETIC 32-40 106-33	NDETIC COORDINATES 32.40175 LAT DEG 106.31232 LON DEG
SEOMETRIC ALIITUDE MSL FEET	PRESSURE MILLIGARS	TEMF AIR DEGREES	TEMPERATURE AIR DEWPOINT GREES CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEEU OF SOUND KNOTS	WIND DATA DIRECTION SI DEGREES(IN) KI	TA SPEED KNOTS	INDEX OF REFRACTION
	1	:			·				
4051.4	872.7	25.4	7.1	31.0	1013.9		0.09	3.1	1.000269
4500.0	2.650	23.6	<b>5.</b> Co	24.8	1005.3		41.5	3.7	1.000255
2000	2.444	23.0	0.1	23.4	2.066	_	28.7	4.7	1.000249
5500.0		21.9	••	24.5	976.4	_	20.4	5.9	1.000246
0.000		20.8	<b>₹</b>	25.7	962.7		15.7	•	1.000242
6500.0		19.7	•1	25.8	646	2.199	10.9	5.9	1.000239
7000.0		18.6	۳. ا	27.9	936.1	_	16.7	4.7	1.000235
7500.0		17.5	7	29.0	923.1	665.1	347.4	1.6	1.000232
8000.0	758.8	16.4	-1.1	30.1	910.3		247.8	2.5	1.000228
8200.0	745.5	15•3	-1.6	31.2	897.7	662•6	240.0	5.6	1.000225
0.0006	732.3	14.3	-2.1	32.3	885.3		<b>3</b> 5	7.6	1.000221
9500·U	719.3	13.1	-2.3	34.3	873.2		251.1	9.0	1.000218
10000.0	7,90.4	11.7	-2.3	37.4	861.6		255.3	9.8	1.000216
10500.0		10.2	-2.5	40.7	850.3		258•B	10.2	•
11000.0		8.7	-2.9	44.1	839.4		255.7	10.9	1.000211
11500.0		7.1	-3•3	47.4	828.7		546.6	~	1.000208
12000.0		2.6	-3.8	50.8	818.1	651.2	540.4	12.5	1.000205
12500.0		4•1	រា វ	53.2	807.2	•	235.B	13.3	1.000201
13000.0		2•B	-5.3	55.2	796.0	_	237.8	14.4	1.000198
13500.0		<b>1.</b> • 1	-6-1	57.1	785.1	_	238•2	16.4	1.000194
14000.0	500	<b>.</b>	-7.0	59.0	774.3		236.7	20.1	1.000191
14500.0		-1-3	-7.8	61.0	763.7		238∙8	22.9	1.000188
15009-0		-2.6	-8-7	62.6	753.1	641.	243.0	25.0	1.000184
	574.9	-3.6	-15.9	37.7	742.1		245.1	24.0	1.000175
16000-0	563.9	N•4-	-19.6	29•0	7.50.2		546.9	22.0	1.000169
16500.0	555.1	-2•1	23	21./	718.5		245.6	19.6	1.000165
0.000/1		6.3	-26.0	19.0	707.7		5-4-7	18.0	1.000162
0.005/1		9./-	-21.2	19•0	697.6	634.	245.8	20.1	1.000159
10000	521.6	0-6-	-28.4	19.0	687.7	633	245.6	22.0	1.000156
18500.0	b•11c	-10.4	50	19•0	6.779	631.	243.7	23.9	1.000154
19000.0	50105	-11.8	30.	19.0	668.2		245.0	23.7	1.000151
19500.ñ	491.7	-12.4	31.	17.9	656.6		547.9	22.5	1.000149
20000°		-12.7	-32+6	^	644.5		252•0	18.8	1.000146
20500.0		-13.8	-33.5	17.0	<b>4.</b> ₽₹9	627.	255.3	15.7	1.000143
21000.0	463.1	-14.9	1-34.4	~	624.4	626.2	250.8	13.0	1.000141
21500.0	455+B	-16.0	-30.5	27.4	614.7	624.8	257.4	13.8	1.000140
22000.0	Z * # # # .	-17.2	-26.3	~	605.1	623	257.4	16.1	1.000138
22500.0	435.8	-18.3	-28.8	39.2	595.4	622•	258.7	18.5	m
23000.0	427.0	-19-3	-31.8	31.6	585.7	620.	P-657	•	1.000133
23500.0	410.3	-20.4	1.33.4	59.9	570.4	019.4	203.7	22.0	1.000131

STATION ALTITUDE 4 3 JUNE 81	.111362 408	4051.37 FEET MSL 1015 HRS ADT	ET MSL £DT	-	UPPER AIN DATA 1540160113 LC-37	UATA 13		JE 00E TI	GEODETIC COUNDINATES	
A SCENS LON	NO. 113			•	TABLE 10 CON'T	T'NO:		106.	31232 LON DEG	
GEUMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMF AIK DEGREES	TEMPERATURE AIK DEWPOINT DEGREES CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	MEND DATA DIRE (TION SI DEGREES (IN) K	1A SPEEU KNOTS	INUEX OF REFRACTION	
24000.0	40%.8	-21.7	-33.3	34 • 1	567.7		767.0	23.1	1.000129	
24500.0	401.4	-23.1	-33.3	38.3	559.0	610.2	268.3	23.7	1.000127	
25000.0	395.2	-24.4	-33.4	42.7	550.5		50.3.4	24.1	1.000125	
25500•0	385.1	-25.0	-36-3	33.8	540.5		208.1	23.2	1.000122	
25n00.0	377.1	-25.9	-39.0	27.8	531.2		266.7	22.3	1.000120	
202000	369.2	-27.1	6.04-	25.5	522.6		267.5	21.1	1.000117	
27000.0	361.5	-28.3	-42.B	23.2	514.3		20Q · 4	20.1	1.000115	
27500.0	355.8	-29.5	£+34-3	24.7	505.9		209.0	20.4	1.000114	
28000.0	340.3	-30•8	-43.7	26.5	497.7		260.0	20.4	1.000112	
28500.0	339.0	-32-1	2.44-	28.4	489.7		504.9	20.1	1.000110	
29000.0	331.8	-33•3	9 to to -	30.2	481.8		560.6	21.2	1.000108	
29500.0	324.7	-34.6	#-S#-	32.1	474.1		250.5	23.0	1.000106	
30000.0	317.7	-35.B	-45.4	36.3	466.3				1.000105	
30500.0	310.9	-37.2	-45.0	43.5	458.9				1.000103	
31000.0	304-1	-38.4	-45.3	48.1	451.3				1.000101	

GEODETIC COORDINATES 32.40175 LAT DEG 106.31232 LON DEG	A SPEED KNOTS	
6E0	ATA SP	2001 2001 2001 2001 2001 2001 2001 2001
	WIND DATA DIRECTION SP DEGREES(IN) KN	33.1 17.0 241.4 257.0 237.6 245.2 245.4 2557.4 268.5
EVELS 13	REL.HUM. PERCENT	23. 34. 34. 50. 19. 19.
MANDATORY LEVELS 1540180113 LC-37 TABLE 11	TEMPERATURE AIR DEWPOINT DEGREES CENTIGRADE	1.1 1.1 1.2 1.2 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3
z <b>-</b>	TEMP AIR DEGREES	23.4 115.7 111.0 4.8 -5.3 -12.0 -16.5 -23.3
T MSL MD 1	PRESSURE GEOPOTENTIAL ILLIBARS FEET	4804. 6526. 8335. 10240. 14368. 19626. 19050. 21677. 24546.
STATION ALTITUDE 4051.37 FEET MSL 3 JUNE 81 10.5 HRS MDT ASCENSION 40. 113	PRESSURE 6 MILLIBARS	850.0 800.0 750.0 700.0 650.0 550.0 450.0 350.0

GEODETIC COORDINATES 32.40043 LAT LEG	100.37033 LUM DEG																			
JA I A		REL .HUM.		20.0	59.0	34.1	40.0	0.99	58.0	0.44	33.N	51.0	31.0	24.0	0.70	61.0	70.0	98.0	53.0	36.0
STGULFTCANT LEVEL DATA 1540020370 WHITE SAUDS	2	TEMPERATURE ATR DEWROTH	IN GREES CENTIONADE	5.0	3.5	5.3	-1.2	7.0-	-10.0	-14.3	-21.1	-16.1	-45.4	-31.1	-21.5	-23.7	-24.5	-29.1	-37.1	ម-មស
STGHIFTO 1	TABLE 12	TEMPI AIR	OF GREES	32.0	24.1	21.9	12.0	-2.8	-3.to	-3.9	-7.7	6.0-	-11.5	-15.1	-16.8	-18.1	-20.5	-23.2	-25.6	-30.5
45L 		PRESSURE GROMETRIC	MILLIBARS ASL FEET	3^89.0	4804.7	6681.5	10296.3	15/157.9	15939.0	1 <sub>o</sub> n59,7	17448.7	18252.5	19147.3	21498.2	22363.0	22781.6	23646.3	24666.5	25A21.1	31378.5
STATION ALTITUDE 3989.00 FEFT ASL 3 JUNE OF 1230 HRS P.DT		PRESSUA	MILLIBAR	8.74.6	85a•0	1,061	700.0	577.4	969.0	2.495	9.46	514.0	<b>₩•00</b> \$	455.2	436•P	4.32.2	417.2	0.004	381.2	304.0

GEODETIC COORDINATES 32.40043 LAT DEG 106.57033 LON DEG	A INDEX SPFEL OF KHOTS REFRACTION	4.1 1.000200	4.1 1.000200	4.0 1.000203	-	-	-			-	-	-	_		٦.	٦.		15.9 1.000208	-	, ,	-	7	-	٦,	23.3 1.000182	-	7	26.2 1.000162	-	-	-	~	7	24.4 1.000145	-		·		23.8 1.000136
35	WIND DATA DIRECTION SP DEGREES(TM) KI	240.0	239.9	233.2	220.3	219.5	212.5	200.1	21.9.5	223.0	250.2	239∙0	25.9.9	234.9	235.6	233.5	6.24.2	0 • a • X	0.042	250•6	249.3	240.0	244.1	243•1	0 t t t 7	24.7	248.0	8+845	243∙8	243.7	241.8	245.5	242.11	231.0	242.3	240•1	251.3	220.0	9./62
ক চ ক চ	SOUND KNOTS	631.9	6.489	679.4	677.1	5.679	673.2	671.5	9.609	0.58.0	666.3	664.7	663.1	661.5	659•B	2.859	650.5	8.4.69	651-4	649.7	646.0	640.3	644.6	642.3	6.40-4	638.2	636.5	634•8	633.2	631.9	0.50.7	029.1	628•4	627.8	65039	65020	624.0	623•5	1.150
UPLER ATR DATA 1540020370 WHITE SAHOS TABLE 13	DFNSITY GMZCUBIC METER	993.7	993.5	933.0	973.7	162.4	951.2	940.3	958.0	916.6	8.406	993.1	931.6	810.3	859.1	6.7.60	3.000 3.000 3.000	875.8	A 4.08	792.6	782.1	771.7	761.5	751.5	730-0	720.0	500.0	700.0	689.B	679.3	6-899	4.769	640.3	635.4	6.24.3	614.3	1.404	544.5	() • () • ()
- д	REL.HUM. PERCEUT	20.0	20.1	25.6	59.5	30.9	32.2	33.5	34.5	35.4	35.2	37.0	37.8	38.7	C • • • •	() o o	40.0	1.0	51.1	53.6	56.1	58.7	5.19	63.7	17.8	\$ 0 ty	36.6	34.1	45.3	ر,• <u>5</u> +،	34.5	6.66	S.8.5	27.0	25.5	24.1	4.3•C	۵,۰ د د د د د د د د د د د د د د د د د د د	53.5
r 45L 11Df	TEMPERATURE R DEAPOINT LES CENTIGRADE	6.2	6.3	7.8	1·1	7.3	6.5	۲•۲	4.43	o•• •		2.5	1.2	••	Ç 1	7 7	a - 7	* C * C * C * C * C * C * C * C * C * C	0 4 6 1	ν • • • • • • • • • • • • • • • • • • •	-5.0	-5.8	9•9-	2.7.5	-13.0	-16.4	-13.9	-50.9	-19.8	-10.8	-23.8	0.62-	-,77.3	-29.5	-29.8	-31.0	5.45.7 6.45.7	2.22-	6.52-
3989.10 FELT 45L 1230 FRS 71DC 0	TEMP AIR DEGREES	32.0	31.9	9.66	27.5	25.8	24.5	22.5	21.0	19.7	18.5	16.9	15.6	14.2	12.0	† • T	) (	7.1		4.2	2.8	1•4	1	ը• Մ•	13.3	-5.1	-6.5	-7.8	₹-6-	-10.3	-11.2	-12•0	-15·8	-15.5	-14.3	1:01-	T•01-	2•/I-	-18-
TUNC • 37	PRESSURE MILLIBARS	874.3		850.9	844.3	829.7	815.5	301.4	787.4	773.5	159.8	740.3	733.1	720.2	+ 1 O 7	0.100	6-190	6500	0000 0000		621.1	609.7	998•4	587.5	562.5	554.6	544.0	533.5	523.2	513.9	•	495.0		1.024		455.2	~ ·	7.754	4.024
STAIION ALTITUDE 3 JUNE 81 ASCENSION 110. 3	GEUMETRIC ALTITUDE MSL FEET	3989.0	4000.0	0.0050	0.0003	5500•0	0000a	650 <b>0•</b> 0	7000.0	7500.0	0.000	0.00sa	0.0006	9500.	6.00001	0.0001	0 00 TT	0.00071	1250050	13000-0	13500.0	•	14500.0	15000-6	15500.0	16500-0	17000.0	17500•r	18000.0	15500.0	19000.0	19500•0	70000°	20509.0	<1000×	<1500.0	U*U0022	22509.0	7.50m0.0

6E0DETIC COORDINATES 32.40043 LAT DEG 106.37033 LOH DEG	INDEX OF REFRACTION	1.000134	1.000131	1.000128	1.000125	1.000123	1.000120	1.000118	1.000116	1.000114	1.000112	1.000110	1.000108	1.000107	1.000105	1.000103	1.000101
6E0DETI 32. 106.	TA SPEED KNOTS	23.R	24.7	25.7	26.2	26.3	26.5	26.3	26.1	25.5	24.9	54.6	24.2	22.8			
	WIND DATA DIRECTION SF DEGREES(TN) KR	258•5	26001	261.1	504.5	20805	270.8	271.2	271.2	209.1	207.4	270.1	272.1	0•692			
0.0 25 0.1 1.NO	SPEED OF SOUND KNOTS	620.0	613.5	610.6	615+2	613.9	612.5	610.9	4.609	607.8	600.2	9.409	603.1	601.5	599.9	598+3	596.7
JPPER AIR DATA 1540020370 WHIF SANDS TABLE 13 CON'T	DENSITY GMZCUBIC METER	577.3	568.6	560.0	551.1	545.0	533.2	524.5	515.9	507.5	199.3	7.104	483.2	475.4	467.7	460.2	452.8
J .	REL.HIM. PERCENT	68.5	65.8	60.0	50.8	0.04	33.1	33.4	33.th	33.9	34.2	34.4	34.7	35.0	35.3	35.5	35.4
T .15L	ERATUPE DEWPOINT CENTIGRADE	4-112-	-26.1	-28.4	-31.2	-34.6	-57.4	-38.5	-30.5	9.04-	-41.6	-42.7	T. 7.1	F. 4.4.	5.54-	6.9tı-	-48.0
3989•00 FELT ,1SL 12.30 IRS 14DT	TEMP AIR DEGREES	-20.1	-21.4	-22.8	-23.9	6.42-	-20•0	-27.3	-24.5	-29.8	-31.0	-32+3	-33.6	-34•8	-30-1	-37.3	-38•6
ГІТUD∟ ЗуВ Ж NO. J/O	PRESSURE MILLIOARS	419.7	411.2	402.8	394.5	380+3	370.3	370.2	362.3	354.6	347.0	339.6	332.4	325.3	318.4	311.6	304.9
STATTON ALTITUDE 3 JUNE 81 ASCENSION NO. J	GEORETRIC ALLITUDE MSL FEET	23500.9	24000.0	24500.0	55000.0	25500.0	20000-0	26500.0	27000.0	27500+0	2800 <b>0.</b> 0	28500.0	29000.0	29500.0	30000	30500.0	31000·0

6E0DETTC COUNCINATES 32,40043 LAT DEG 106,37033 LOM DEG													
υΕ ΟΙ)Ε΄ 1 ΓC 32.4 ( 1 06.5)	CATA N SPEED N) KNOTS	3.9	₹• ti	7.4	10•3	16.5	22.5	24.7	7. A.S.	24.3	20.0	25.1	
	H. WIND CAIA I DIRECTION SPEE DEGREES(IN) KHOT	229•1	207.8	239.1	237.4	548.9	544.4	548•4	247.2	548.9	262.2	267.7	
AAMIDATOPY LEVELS 1540020370 WAITE SANDS TABLE 14	KEL.HU PEKCEN		34.	37.	40.	50.	61.	39•	31.	36.	58•	34.	36.
	TEMPERATURE AIR DEWPOLUI DEGREFS CENTIGRADE	3. K	3.5	7.4	-1.2	n.n.	-6.5	-17.5	-25.2	-26.6	-29.1	-41.2	-43.8
	TEMPP AIR JEGREFS (	28.1	22.3	17.3	12.0	6.3	٠,	-5.7	-11.5	-15.7	-23.2	-30.6	70.5
ION ALTITUDL 39A9.00 FEET 65L UNE 81 15101 110. 378	OPOTENTIAL FLET	48.01.	6548.	8372	10286.	12302.	14434	16698	19120	21750	24625	27788.	11116.
	PRESSURE GEOPOTENTIAL MILLIBARS FLET	0.50	D.008	750.0	7,10.0	0.0039	600.0	550°0	0.003	0.000	400.0	350.0	1000
ION ALTITUDE 3º UNE 81 HSIOH HO. S7A													

